CLAIMS

- 1. A rare-earth sintered magnet, a main phase of which includes an $R_2T_{14}B$ type compound phase, the magnet comprising:
- 27 mass% through 32 mass% of R, which is at least one rare-earth element that is selected from the group consisting of Nd, Pr, Tb, and Dy and that always includes at least one of Nd and Pr;
 - 60 mass% through 73 mass% of T, which is either Fe alone or a mixture of Fe and Co;
- 10 0.85 mass% through 0.98 mass% of Q, which is either B alone or a mixture of B and C and which is converted into B on a number of atoms basis when its mass percentage is calculated;

more than 0 mass% through 0.3 mass% of Zr;

at most 2.0 mass% of an additive element M, which is at least one element selected from the group consisting of Al, Cu, Ga, In and Sn; and

inevitably contained impurities.

20 2. The rare-earth sintered magnet of claim 1, comprising

substantially no accumulated phases of Q.

- 3. The rare-earth sintered magnet of claim 1 or 2, wherein the additive element includes Ga, which accounts for 0.01 mass% through 0.08 mass% of the magnet.
 - 4. The rare-earth sintered magnet of claim 3, comprising at most 0.95 mass% of Q.
- 5. The rare-earth sintered magnet of claim 4, comprising at least 0.90 mass% of Q.
- 6. The rare-earth sintered magnet of one of claims 1 to 5, wherein the magnet has a square ratio Hk/HcJ of at least 0.9 in its demagnetization curve.
 - 7. A material alloy for a rare-earth sintered magnet, a main phase of which includes an $R_2T_{14}B$ type compound phase, the alloy comprising:
- 20 27 mass% through 32 mass% of R, which is at least one

rare-earth element that is selected from the group consisting of Nd, Pr, Tb, and Dy and that always includes at least one of Nd and Pr;

60 mass% through 73 mass% of T, which is either Fe alone or a mixture of Fe and Co;

0.85 mass% through 0.98 mass% of Q, which is either B alone or a mixture of B and C;

more than 0 mass% through 0.3 mass% of Zr;

at most 2.0 mass% of an additive element M, which is at 10 least one element selected from the group consisting of Al, Cu, Ga, In and Sn; and

inevitably contained impurities.

- 8. The rare-earth alloy of claim 6, comprising

 15 substantially no accumulated phases of Q.
 - 9. The rare-earth alloy of claim 7 or 8, wherein the additive element includes Ga, which accounts for 0.01 mass% through 0.08 mass% of the magnet.

10. The rare-earth alloy of claim 9, comprising at most 0.95 mass% of Q.